

529 Rec'd PCT/PTC 30 NOV 2000

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of  
KOCK et al.

BOX PCT

International Application  
PCT/EP 99/03889

Filed: June 4, 1999

For: POLY(ADP-RIBOSE)POLYMERASE-GENE

#10/A  
p8  
2/19/02PRELIMINARY AMENDMENTHonorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

Prior to examination, kindly amend the above-identified application as follows:

IN THE CLAIMS

3. A PARP homolog as claimed in claim 1 [either of the preceding claims], comprising at least another one of the following part-sequence motifs:

LX<sub>9</sub>NX<sub>2</sub>YX<sub>2</sub>QLLX(D/E)X<sub>10/11</sub>WGRVG,  
AX<sub>3</sub>FXKX<sub>4</sub>KTXNXWX<sub>5</sub>FX<sub>3</sub>PXK,  
QXL(I/L)X<sub>2</sub>IX<sub>9</sub>MX<sub>10</sub>PLGKLX<sub>3</sub>QIX<sub>6</sub>L,  
FYTXIPHXFGX<sub>3</sub>PP; and  
KX<sub>3</sub>LX<sub>2</sub>LXDIEXAX<sub>2</sub>L,

in which the X radicals are, independently of one another, any amino acid.

4. A PARP homolog as claimed in claim 1 [any of the preceding claims], selected from human PARP homologs, which has the amino acid sequence shown in SEQ ID NO: 2 (human PARP2) or SEQ ID NO: 4 or 6 (human PARP3 type 1 or 2); or murine PARP homologs which have the amino acid sequence shown in SEQ ID NO:8 (mouse PARP long form) or SEQ ID No:10 (mouse PARP short form); and the functional equivalents thereof.